

## **ABSTRACT OF THE DISCLOSURE**

### **5            METHOD AND APPARATUS OF CROSS-CONNECTING OPTICAL FIBERS WITH LAYERED SUBSTRATES FORMING FIBER OPTIC RIBBONS**

10            A method is provided for cross-connecting individual optical fibers of a plurality of fiber optic ribbons and includes the steps of providing first and second substrates having adhesive thereon. Individual optical fibers are routed on the substrates to form at least portions of fiber optic input ribbons and fiber optic output ribbons, with the fibers extending beyond the substrates to define input and output tails. One substrate is positioned on top of another substrate, and a ribbonizing apparatus is used to gather the input and output tails in ribbon form whereupon they can be coated to hold the tails in their ribbon form.